Meeting Minutes

DLC Industry Advisory Committee Meeting Q4
December 13, 2018, 12:00pm-1:00pm Eastern Time

1. Review of Agenda & Announcements

New DLC team members: Matt Rusteika (Strategic Engagements Manager), Lani Malapan (Program Associate), and Bernadette Boudreaux (Technical Operations Manager)

2. Technical Requirements V5.0

Update on V5.0 near term activities and timeline

- Objectives: Accelerate broad scale energy savings of light quality and controllability of DLC listed products, with a focus also on process improvements
- Desired outcomes: Make QPL more effective and easier to use for more users
- Timeline:
    - o Draft 1 released January 29
    - o Comments due March 1

High level V5.0 topic review & feedback received

- Color quality: The DLC policy should be updated according to the latest standards – TM-30 2018 and latest ANSI C78.377-2017. Reporting on SPD was generally supported to enable calculation of new and future metrics. Education needs to be provided around the new metrics.
- Glare: Support for use of UGR rating for indoor, but education will be critical for effective use of the metric. BUG rating is the most common metric for outdoor.

- Distribution: BUG rating is also most commonly used and requested. Photometric distribution information should be made available. There is currently no target efficacy rating methodology ready.
- Circadian Wellness: Reporting of SPD info would be very valuable for calculation of metrics. Metric reporting at luminaire level will support luminaire selection. Education is needed.
- Flicker: Very important for the DLC to address. Requirements should include evaluation at dim states and requirements should vary by space type.
- Controllability: There is broad support for requiring dimming, but differences between indoor and outdoor locations must be considered. There is broad support for required reporting on controllability of different products – integral sensors, what type of sensors, etc. There has been well-reasoned push back on linking the SSL and NLC QPLs, but that incremental steps are possible.
- Efficacy: Most DLC efficacy requirements are reasonable and achievable today. Time has been spent with utilities discussing light quality and efficacy, and they understand a more measured approach to efficacy might be appropriate for 5.0.

Process changes and impacts related to V5.0

- The DLC proposed a Manufacturer 360 working group, whose purpose would be to respond to concerns on the quality control aspects of manufacturing, golden samples, supporting warranty claims, etc.
  - The DLC wants to form an exploratory working group to investigate what this means for the industry and what some of the specific evaluation criteria might be to address this.

3. NLC V4.0 Update

Technical Requirements timeline

- V4.0 Requirements will be finalized in June. Most of the listed systems are expected to meet the new requirements, but if they do not there will be a one year grace period before dropping off.

Highlights of the Requirements

- Energy monitoring opportunities will allow for larger incentives from more programs. In June 2019, energy monitoring will be required.
- Cybersecurity importance is a rising concern as breaches can have economic impact. In June 2019, general information about cybersecurity will be required. Cybersecurity will be required by 2020. There are already two products certified with ANSI cybersecurity standard.
- Interoperability/interchangeability: The DLC will conduct a research project in 2019 to more clearly define the multiyear plan. Reporting required in June 2019

4. Stakeholder Meeting

- St Louis, April 1-3 at The Ritz Carlton, St. Louis, with the entire hotel dedicated to DLC Stakeholder Meeting.
- Off-site networking reception will be at the City Museum.
- The meeting will be dedicated to networking, brainstorming, getting feedback. Six discussion sessions will occur on topics related to SSL 5.0 and NLC 4.0.